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PN - JP4110398 A 19920410  
PD - 1992-04-10  
PR - JP19900227948 19900831  
OPD - 1990-08-31  
TI - DETERGENT COMPOSITION  
IN - MATSUMOTO KATSUO;KOBAYASHI HIROYUKI  
PA - ASAHI CHEMICAL IND  
IC - B23K1/00 ; C11D10/02

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TI - Cleaning compsn. and degreasing and flux cleaning - contg.  
diethylene glycol diethyl ether, sorbitan ester-ether type nonionic  
surfactants and polyoxyethylene type surfactants

PR - JP19900227948 19900831

PN - JP4110398 A 19920410 DW199221 007pp

PA - (ASAHI) ASAHI CHEM IND CO LTD

IC - B23K1/00 ;C11D7/26 ;C11D10/02

AB - J04110398 A new cleaning compsn. contains at least 60 wt.% of  
diethylene glycol diethyl ether, 3-20 wt.% of one or a mixt. of  
sorbitan ester ether type nonionic surfactant(s) and 3-20 wt.% of  
one or more nonionic surfactants of polyoxyethylene alkyl ethers,  
polyoxyethylene alkyl phenyl ethers, polyoxyethylene fatty acid  
esters, glycerine fatty acid esters, sorbitan esters and  
polyoxyethylene polypropylene block polymers.

- Sorbitan esters ether type nonionic surfactants include  
polyoxyethylene sorbitan monolaurate, polyoxyethylene sorbitan  
monopalmitate, polyoxyethylene sorbitan monostearate and  
polyoxyethylene sorbitan monooleate. The polyoxyethylene alkyl  
ether is typically polyoxyethylene lauryl ether. The polyoxyethylene  
alkyl phenyl ether is pref. polyoxyethylene nonyl phenyl ether.  
Polyoxyethylene fatty acid esters include polyoxyethylene  
monolaurate.
- USE/ADVANTAGE - Good cleaning performance and finish  
comparable with conventional freons and chlorine type solvents and  
good biodegradability, without ozone layer depletion. Low toxicity  
and high flash pt. (0/0)
- (Dwg. 0/0 the pr)

OPD - 1990-08-31

AN - 1992-172546 [30]

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